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Pamphlet No. 19

April, 1931.

UNITED STATES
DEPARTMENT OF THE INTERIOR
RAY LYMAN WILBUR, SECRETARY
OFFICE OF EDUCATION
WILLIAM JOHN COOPER, COMMISSIONER
WASHINGTON, D. C.

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PER CAPITA COSTS IN CITY SCHOOLS, 1929-30

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In this pamphlet the Office of Education presents a study of per capita costs in 285 city school systems for the school year ended June 30, 1930. This is the fifth study of this nature which the office has made in the past 10 years, the previous ones being for the years 1922, 1924, 1926, and 1928, respectively. In each of these studies is presented an analysis of the current expenditures per student in average daily attendance during the year, the cities being distributed into four groups according to the population, and arranged in each group in a descending scale according to the total cost per student. An effort has been made each year to present the same cities as far as possible in each of these studies in order that trends may be studied when desired, the cities being distributed geographically in each group so as to represent the entire country as fully as possible.

As bases for these computations it was thought best to consider the expenditures and the average daily attendance in full-time day schools only inasmuch as the attendance in continuation schools and in night and summer schools shows no uniformity in the data reported, some cities reporting the number of weeks these schools were in session while other cities reported in terms of hours attended.

In all the studies of this nature, with the exception of the circular in 1922, all debt service, including interest payments, has been excluded. In some cities large amounts are borrowed each year in anticipation of the tax receipts, and are repaid during the following year. The inclusion of such payments would result in a perceptible

increase in the per capita cost figures in those cities using this plan. Again in many cities the matter of school-bond payments, including interest, is handled by other offices than the city school board, the latter having no record of these items. While an attempt is made to procure this information where possible, it was thought best not to include it in the studies of per capita costs.

Expenditures for capital outlay have also been excluded since expenditures for this purpose often vary greatly from year to year in individual cities, especially in those cities of the smaller population groups.

Payments which the board of education may make for care of children in special institutions (parental, ungraded) and tuition payments to other school corporations have been excluded from auxiliary agencies inasmuch as the average daily attendance of pupils for whom these amounts were expended is not included in the report.

The following tables, therefore, present costs of general control, which includes expenditures for offices of the board of education, officers in charge of buildings, supplies, etc., and the superintendent's office, including the salaries, clerical hire, and other expenses of those in the central office exercising control over the school system as a whole; expenditures for instruction, including salaries and expenses of supervisors, principals, and teachers, and expenditures for educational supplies, school libraries, and textbooks furnished free to pupils; operation of school plant, which covers wages of janitors and engineers, expenditures for their supplies, and cost of fuel, light, and water; maintenance of school plant, which includes repairs and replacements of equipment of all kinds and upkeep of grounds; coordinate activities, covering medical inspection, dental inspection, nurse service, and expenditures because of truancy officers in the field; auxiliary agencies, including payments to public libraries (not devoted to school use exclusively), transportation of pupils, lunches furnished free to pupils, and lunch-room deficits, school gardens, school banks, operation of playgrounds and other recreational costs; and fixed charges, which cover payments for insurance, pensions, taxes, rent, etc.

When the present study was begun the Census for 1930 had not been received, and the cities were, therefore, chosen for grouping according to the Census of 1920 as in former circulars of this nature. After regrouping according to the Census of 1930, we find that 52 of these cities are in Group I, 65 cities are in Group II, 105 cities are in Group III, while only 63 of the cities are left in Group IV. This explains the unusually large number of cities appearing in Group III while the number of cities in Group IV is relatively smaller than in former years.

Two additional columns are included in the tables showing per capita costs for 1930; one showing the population of each city, so that comparisons may be made, when desired, between cities of similar size; and the other showing the average number of days the schools were actually open for instruction in each of the cities. In school systems in which the various units have different lengths of school year, the average number of days was found by dividing the aggregate attendance in days of all schools in the system by their combined average daily attendance.

The costs given in this table do not take into account the length of the school year, but represent the actual amounts expended by the various cities for each child attending their schools. To show more accurately what each city is doing for the education of its children one should take into consideration the number of days schooling each child receives for the money expended. When we consult Group II of the table we find that although Clifton, N. J., expends $99.10 for each child and Pawtucket, R. I., expends $92.55, yet Clifton gives 193 days schooling to her children while Pawtucket gives but 180 days. Further computations reveal that while Clifton is the fourth city above the median in actual expenditures, and Pawtucket is the fourth city below the median, yet both cities expend the same amount per day, or 51 cents for each child in school. From this it may be seen that the table would present a very different picture were the cities arranged according to per capita costs which took into account the factor of length of school term.

It is interesting to note the distribution of the school dollar for the various school purposes. It is shown that a little more than three-fourths of the entire current expenditure for the public schools goes for instruction in the cities of Groups I and II, while in Groups III and IV a little less than three-fourths of the total amount is expended for this purpose. The percentage of expenditures for other purposes than instruction, i. e., for general control, operation of school plant, maintenance of school plant, auxiliary agencies and coordinate activities, and for fixed charges, vary but slightly in the four groups, this variance being less than 1 per cent for general control, for maintenance, and for auxiliary agencies, a little more than 1 per cent for fixed charges, while operation of plant shows the greatest variance, which is almost 2 per cent. The greatest portion of expenditures for operation of school plant is found in Group III, where the average is 12.2 per cent of the whole. The reason for this is no doubt due to the large number of cities located in northern States which were added to this group by the Census of 1930. In these cities where the winters are longer the cost of fuel would add very materially to the expense of operation of the schools.

The largest amount paid for instruction in Group I was in Yonkers, N. Y., where it amounted to $129.89 per child in average attendance, while the lowest amount was in Norfolk, Va., or $52.52 per child, the median of this group falling at Bridgeport, Conn., with an average of $76.36 for this purpose. The outstanding reason for this variation lies in the amounts paid for salaries. The average amount paid for salaries and expenses of supervisors, principals, and teachers in Yonkers being $2,837, in Bridgeport, $2,037, and in Norfolk, $1,404 for the school year 1929–30.

In Group II the cost of instruction ranged from $150.16 in Montclair, N. J., to $35.60 in Montgomery, Ala., the median of the group being Allentown, Pa., with an average expenditure of $72.69 per child in average attendance. The average amounts paid supervisors, principals, and teachers in these cities were as follows: Montclair, $2,830; Allentown, $1,912; and Montgomery, $1,050.

Hibbing, Minn., leads in the cost of instruction in Group III cities with an average expenditure of $139.49 per child, while Rome, Ga., expended the least, $24.44. In this group the median city is Fremont, Nebr., with an instructional cost of $63.65. The average salary expended in each of these cities was: Hibbing $2,450; Fremont, $1,537; and Rome, $781.

In Group IV, Piedmont, Calif., is at the head in instruction cost with an average cost of $123.82 per child, while the lowest amount expended for this purpose was in Anadarko, Okla., which expended $33.77. In this group Brunswick, Me., is the median, expending $60.32 for instruction. The average cost of personnel in each of these cities was: Piedmont, $2,390; Brunswick, $1,104; and Anadarko, $1,049.

From the foregoing it can be seen that the average instructional costs in the median cities of the four groups present a descending scale closely followed by the average salary paid in each of these cities. For ready reference we summarize here instruction costs for the school year 1929–30:

Cities in—	Highest instructional cost	Lowest instructional cost	Median instructional cost	Average salary in median city
Group I	$129.89	$52.52	$76.36	$2,037
Group II	150.16	35.60	72.69	1,912
Group III	131.49	24.44	63.65	1,537
Group IV	123.82	33.77	60.32	1,104

A summary of total per capita costs of public-school systems as revealed in the circulars for the years 1924, 1926, and 1928, as well as in the present study for the year 1930 is given below. This shows the number of cities studied in each population group together with the

maximum, the minimum, the median, and the cost per child in average attendance. From these figures it is readily seen that the general trend through the past eight years has been to increase the expenditure per child in the public schools. The maximum cost has been increased in each year in all the groups, while the minimum cost has also been increased in all except two instances, one in the year 1928 in the cities of Group II, where the cost was $2.64 less per child than in 1926, and the other in the cities of Group IV, where the cost was $3.88 less per child in 1926 than in 1924. The average cost per child was 80 cents less in 1930 than in 1928 in the cities of Group I, while the cities of Group IV show the slight decrease of 11 cents per child when the average cost in 1926 is compared with the average cost in 1924.

All data given in these studies have been computed from the reports received in the Office of Education direct from the school officials in each city. Every effort has been made to include in these studies only such cities as seem to reveal in their reports a well-organized system of school accounting that the data may be as accurate as possible and comparable in the various items.

Total annual cost per child in city public schools for various years

Item	Group I				Group II			
	1924	1926	1928	1930	1924	1926	1928	1930
1	2	3	4	5	6	7	8	9
Number of cities studied	35	35	35	52	55	60	60	63
Maximum	$133.32	$145.55	$157.37	$162.15	$125.05	$138.54	$149.51	$196.16
Minimum	35.74	57.83	59.02	63.06	35.52	40.37	37.73	42.70
Median	94.15	102.54	106.57	105.55	88.23	93.26	93.41	97.08
Average	95.64	104.82	113.69	112.89	87.12	92.85	96.78	104.93

Item	Group III				Group IV			
	1924	1926	1928	1930	1924	1926	1928	1930
1	10	11	12	13	14	15	16	17
Number of cities studied	55	70	75	105	50	82	80	63
Maximum	$110.85	$175.36	$216.77	$228.47	$165.51	$166.93	$181.02	$221.29
Minimum	24.00	24.76	25.57	29.77	34.25	30.37	38.24	47.24
Median	76.70	86.00	87.28	84.51	72.59	73.03	77.99	84.99
Average	73.90	85.38	93.12	87.19	74.91	74.80	81.32	91.07

Current expenses per student in average daily attendance in full-time day schools in 285 city school systems, 1929-30

GROUP I.—52 CITIES OF 100,000 POPULATION AND MORE

City	Population (Federal census 1930)	Length of school year (days)	Total current expenses	General control		Instruction		Operation of plant		Maintenance of plant		Coordinate activities and auxiliary agencies		Fixed charges	
				Cost	Per cent of total	Cost	Per cent of total	Cost	Per cent of total	Cost	Per cent of total	Cost	Per cent of total	Cost	Per cent of total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Yonkers, N. Y.	134,646	188	$162.15	$3.20	2.0	$129.89	80.1	$13.57	8.4	$4.78	2.9	$3.04	1.9	$7.67	4.7
Newark, N. J.	442,337	195	140.67	4.89	3.5	109.73	78.0	10.75	7.7	6.48	4.6	8.61	6.1	.21	.1
Los Angeles, Calif.	1,238,048	187	139.98	4.94	3.5	111.71	79.8	13.03	9.3	4.56	3.3	4.56	3.3	1.18	.8
Paterson, N. J.	138,513	195	134.09	2.36	1.8	109.36	81.6	14.65	10.9	3.81	2.8	3.08	2.3	.83	.6
Boston, Mass.	781,188	183	133.91	7.38	5.5	98.79	73.8	11.18	8.3	10.41	7.8	4.55	3.4	1.60	1.2
Hartford, Conn.	164,072	185	133.46	5.03	3.8	98.06	73.5	18.40	13.8	5.38	4.0	5.46	4.1	1.13	.8
Springfield, Mass.	149,900	189	133.20	5.30	4.0	98.63	74.0	18.27	13.7	7.68	5.8	3.08	2.3	.24	.2
Washington, D. C.	486,869	176	132.80	2.81	2.1	100.00	75.3	15.18	11.4	8.33	6.3	.48	.4	6.00	4.5
Albany, N. Y.	127,412	189	130.93	4.28	3.3	99.67	76.1	13.20	10.1	3.73	2.8	4.39	3.4	5.66	4.3
Oakland, Calif.	284,063	188	130.28	3.61	2.8	107.25	82.3	9.70	7.5	6.04	4.6	2.63	2.0	1.05	.8
San Francisco, Calif.	634,394	188	129.34	4.08	3.1	97.86	75.7	10.68	8.3	8.73	6.7	1.93	1.5	6.06	4.7
Cambridge, Mass.	113,643	179	127.57	3.28	2.6	98.35	77.1	12.28	9.6	5.37	4.2	8.29	6.5		
Pittsburgh, Pa.	669,817	200	125.14	5.65	4.5	95.09	76.0	14.18	11.3	6.00	4.8	1.79	1.4	2.43	2.0
Elizabeth, N. J.	114,589	190	122.59	4.05	3.3	95.48	77.9	12.48	10.2	7.21	5.9	2.33	1.9	1.04	.8
Grand Rapids, Mich.	168,592	191	122.31	3.54	2.9	95.30	77.9	15.61	12.8	5.08	4.2	2.25	1.8	.53	.4
St. Louis, Mo.	821,960	190	122.29	4.04	3.3	90.28	73.8	11.45	9.4	8.64	7.1	7.66	6.2	.22	.2
Chicago, Ill.	3,376,438	200	120.26	5.16	4.3	85.72	71.3	16.09	13.4	7.51	6.2	3.87	3.2	1.91	1.6
Denver, Colo.	287,861	181	118.47	4.31	3.6	95.34	80.5	8.84	7.5	4.06	3.4	3.26	2.8	2.66	2.2
Camden, N. J.	118,700	189	113.02	2.33	2.1	91.14	80.6	10.84	9.6	4.51	4.0	2.37	2.1	1.83	1.6
Indianapolis, Ind.	364,161	174	111.49	4.88	4.4	83.83	75.2	10.14	9.1	3.09	2.8	8.45	7.6	1.10	.9
Toledo, Ohio	290,718	182	111.03	2.93	2.6	87.25	78.6	10.08	9.1	4.77	4.3	2.43	2.2	3.57	3.2
Duluth, Minn.	101,463	186	110.76	3.44	3.1	82.62	74.6	16.62	15.0	4.31	3.9	3.25	2.9	.52	.5
Philadelphia, Pa.	1,950,961	188	110.70	4.30	3.9	85.93	77.6	8.19	7.4	2.82	2.6	3.81	3.4	5.65	5.1
Reading, Pa.	111,171	196	108.90	6.09	5.6	75.19	69.0	15.86	14.6	5.78	5.3	3.02	2.8	2.96	2.7
Erie, Pa.	115,967	195	107.01	4.31	4.0	76.12	71.1	11.94	11.2	4.88	4.6	7.14	6.7	2.62	2.4
Providence, R. I.	252,981	184	105.90	5.09	4.8	81.04	76.5	11.97	11.3	5.33	5.0	2.31	2.2	.16	.2
Minneapolis, Minn.	464,356	182	105.19	2.64	2.5	79.98	76.0	12.84	12.2	6.40	6.1	2.74	2.6	.59	.6
Portland, Oreg.	301,815	190	105.08	3.63	3.5	85.29	81.2	9.19	8.7	3.94	3.8	1.83	1.7	1.20	1.1
Wichita, Kans.	111,110	176	103.96	4.35	4.2	73.74	70.9	9.30	8.9	13.60	13.1	1.21	1.2	1.76	1.7
Seattle, Wash.	365,583	185	103.86	3.47	3.4	82.56	79.5	10.53	10.1	5.75	5.5	1.55	1.5		
Fort Wayne, Ind.	114,946	184	102.56	3.39	3.3	77.69	75.8	12.85	12.5	5.53	5.4	1.44	1.4	1.66	1.6
Des Moines, Iowa	142,559	177	101.12	3.88	3.8	76.31	75.4	13.14	13.0	4.11	4.1	.88	.9	2.80	2.8
Kansas City, Mo.	399,746	191	101.00	4.40	4.4	76.08	75.3	10.96	10.8	3.10	3.1	5.65	5.6	.81	.8

Spokane, Wash	115,514	183	99.40	2.34	2.4	77.56	78.0	10.71	10.8	6.95	7.0	1.42	1.4	.42	.4
Omaha, Nebr	214,006	182	99.07	4.08	4.1	78.58	79.3	10.56	10.7	3.10	3.1	.96	1.0	1.79	1.8
Bridgeport, Conn	146,716	185	98.75	2.29	2.3	76.36	77.3	10.53	10.7	6.23	6.3	3.34	3.4		
Fall River, Mass	115,274	186	97.90	1.97	2.0	77.21	78.9	10.17	10.4	4.07	4.1	4.01	4.1	.47	.5
Wilmington, Del	106,597	185	95.59	2.84	3.0	78.83	82.5	8.47	8.8	3.46	3.6	1.32	1.4	.67	.7
New Haven, Conn	162,655	188	92.39	1.66	1.8	73.69	79.8	10.64	11.5	5.28	5.7	.11	.1	1.01	1.1
St. Paul, Minn	271,606	190	91.45	2.76	3.0	71.25	77.9	13.04	14.3	2.32	2.5	2.08	2.3		
Baltimore, Md	804,874	189	91.33	2.72	3.0	73.96	81.0	8.90	9.7	4.68	5.1	.98	1.1	.09	.1
Houston, Tex	292,352	174	85.02	2.13	2.5	70.18	82.5	6.42	7.6	3.15	3.7	2.08	2.4	1.06	1.3
San Antonio, Tex	231,542	174	84.16	3.11	3.7	70.70	84.0	5.79	6.9	3.60	4.3	.69	.8	.27	.3
Kansas City, Kans	121,857	175	84.11	3.44	4.1	61.67	73.3	8.60	10.2	4.33	5.2	4.38	5.2	1.69	2.0
Evansville, Ind	102,249	188	83.70	2.20	2.6	66.57	79.5	7.99	9.6	3.53	4.2	2.83	3.4	.58	.7
Salt Lake City, Utah	140,267	183	80.47	2.33	2.9	63.93	79.4	7.21	9.0	4.93	6.1	.80	1.0	1.27	1.6
Oklahoma City, Okla	185,389	171	78.73	2.64	3.4	62.24	79.1	8.45	10.7	2.10	2.7	1.93	2.4	1.37	1.7
Akron, Ohio	255,040	184	77.73	1.69	2.2	61.79	79.5	7.93	10.2	2.92	3.7	1.24	1.6	2.16	2.8
Forth Worth, Tex	163,447	176	71.87	2.34	3.2	61.36	85.4	4.42	6.1	2.00	2.8	1.35	1.9	.40	.6
New Orleans, La	458,762	181	70.84	1.73	2.5	54.98	77.6	4.83	6.8	5.61	7.9	1.58	2.2	2.11	3.0
Birmingham, Ala	259,678	180	64.75	1.74	2.7	53.62	82.8	3.84	5.9	4.43	6.9	.54	.8	.58	.9
Norfolk, Va	129,710	183	63.06	1.48	2.3	52.52	83.3	6.25	9.9	2.20	3.5	.38	.6	.23	.4
Group I average			112.89	4.06	3.6	86.49	76.6	11.51	10.2	5.57	4.9	3.33	3.0	1.93	1.7

GROUP II.—65 CITIES OF 30,000 TO 99,999 POPULATION

Montclair, N. J	42,017	183	$196.16	8.66	4.4	150.16	76.6	22.84	11.6	5.24	2.7	7.49	3.8	1.77	0.9
New Rochelle, N. Y	54,000	188	188.17	4.77	2.5	139.19	74.0	20.84	11.1	9.87	5.2	5.00	2.7	8.50	4.5
Santa Monica, Calif	37,146	183	180.05	4.23	2.3	137.15	76.2	23.33	13.0	4.15	2.3	5.17	2.9	6.02	3.3
Mount Vernon, N. Y	61,499	188	179.37	5.11	2.9	136.48	76.1	13.89	7.7	3.80	2.1	11.33	6.3	8.76	4.9
Kalamazoo, Mich	54,786	184	152.45	4.41	2.9	113.37	74.4	18.48	12.1	2.94	1.9	10.97	7.2	2.28	1.5
Berkeley, Calif	82,109	188	149.14	6.61	4.4	119.50	80.1	12.12	8.1	6.53	4.4	3.06	2.1	1.32	.9
Wheeling, W. Va	61,659	179	148.02	3.59	2.4	97.06	65.6	16.29	11.0	8.98	6.0	16.24	11.0	5.86	4.0
East Orange, N. J	68,020	185	147.26	4.95	3.4	119.05	80.8	12.10	8.2	6.57	4.5	3.14	2.1	1.45	1.0
Bayonne, N. J	88,979	193	143.94	7.29	5.1	104.44	72.6	17.14	11.9	8.67	6.0	6.36	4.4	.04	.0
Bloomfield, N. J	38,077	190	141.55	3.70	2.6	108.98	77.0	15.46	10.9	6.90	4.9	5.20	3.7	1.31	.9
Sacramento, Calif	93,750	183	138.50	5.51	4.0	115.00	83.0	10.82	7.8	2.55	1.8	3.44	2.5	1.18	.9
Colorado Springs, Colo	33,237	180	138.45	5.32	3.8	111.07	80.2	10.03	7.2	7.29	5.3	1.49	1.1	3.25	2.4
Santa Ana, Calif	30,322	175	123.75	3.23	2.6	98.46	79.6	9.86	8.0	4.97	4.0	5.93	4.8	1.30	1.0
New Brunswick, N. J	34,555	187	121.84	4.34	3.6	97.99	80.4	8.88	7.3	7.73	6.3	2.43	2.0	.47	.4
Holyoke, Mass	56,537	188	119.63	3.59	3.0	90.73	75.8	14.61	12.2	6.18	5.2	3.66	3.1	.86	.7
Harrisburg, Pa	80,339	190	117.35	4.30	3.7	89.25	76.0	12.42	10.6	3.48	2.9	4.54	3.9	3.36	2.9
Jamestown, N. Y	45,155	186	116.27	4.00	3.4	86.12	74.1	13.75	11.8	4.01	3.5	2.72	2.3	5.67	4.9
Meriden, Conn	38,481	181	113.62	2.06	1.8	85.45	75.2	13.87	12.2	6.84	6.0	3.24	2.9	2.16	1.9
Green Bay, Wis	37,415	186	112.97	3.53	3.1	83.72	74.1	15.08	13.3	4.03	3.6	.76	.7	5.85	5.2
Battle Creek, Mich	43,573	180	111.08	4.88	4.4	78.08	70.3	15.39	13.9	6.27	5.6	6.10	5.5	.36	.3
Waterbury, Conn	99,902	183	107.97	2.97	2.8	86.43	80.0	11.67	10.8	3.65	3.4	1.05	1.0	2.20	2.0
Fresno, Calif	52,513	178	107.80	3.10	2.9	88.22	81.8	10.12	9.4	3.53	3.3	1.97	1.8	.86	.8
Elmira, N. Y	47,397	187	106.07	2.50	2.4	83.79	79.0	7.07	6.6	2.94	2.8	4.61	4.3	5.16	4.9
Oshkosh, Wis	40,108	189	105.07	2.32	2.2	72.07	68.6	12.24	11.7	10.37	9.9	4.88	4.6	3.19	3.0
Davenport, Iowa	60,751	191	104.88	3.72	3.5	78.88	75.2	14.98	14.3	3.59	3.4	3.44	3.3	.27	.3

Current expenses per student in average daily attendance in full-time day schools in 285 city school systems, 1929–30—Continued

GROUP II.—65 CITIES OF 30,000 TO 99,999 POPULATION—continued

City	Population (Federal census 1930)	Length of school year (days)	Total current expenses	General control		Instruction		Operation of plant		Maintenance of plant		Coordinate activities and auxiliary agencies		Fixed charges	
				Cost	Per cent of total	Cost	Per cent of total	Cost	Per cent of total	Cost	Per cent of total	Cost	Per cent of total	Cost	Per cent of total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Huntington, W. Va	75,572	175	103.29	2.77	2.7	85.29	82.6	7.82	7.6	3.89	3.7	2.41	2.3	1.11	1.1
Topeka, Kans	64,120	172	102.00	3.92	3.8	74.84	73.4	12.97	12.7	5.29	5.2	3.26	3.2	1.72	1.7
Sioux City, Iowa	79,183	181	100.98	2.50	2.5	78.73	78.0	10.44	10.3	5.85	5.8	2.99	2.9	.47	.5
Clifton, N. J	46,875	193	99.10	2.51	2.5	74.56	75.2	10.33	10.4	8.79	8.9	2.63	2.7	.28	.3
Hamtramck, Mich	56,268	200	98.82	7.12	7.2	72.86	73.7	10.78	10.9	4.42	4.5	3.00	3.0	.64	.7
Allentown, Pa	92,563	186	98.17	5.10	5.2	72.69	74.0	9.27	9.4	2.60	2.7	5.55	5.7	2.96	3.0
Phoenix, Ariz	48,118	178	97.32	2.64	2.7	78.11	80.3	9.10	9.3	4.06	4.2	1.72	1.8	1.69	1.7
East Chicago, Ind	54,784	189	97.08	3.66	3.8	73.61	75.8	13.21	13.6	3.44	3.6	2.05	2.1	1.11	1.1
Cedar Rapids, Iowa	56,097	190	94.78	4.23	4.5	70.69	74.6	12.64	13.3	4.37	4.6	1.90	2.0	.95	1.0
Lima, Ohio	42,287	183	94.10	3.70	3.9	65.09	69.2	11.68	12.4	3.93	4.2	7.20	7.6	2.50	2.7
Moline, Ill	32,236	186	92.96	3.50	3.7	70.44	75.8	11.12	12.0	5.42	5.8	1.96	2.1	.52	.6
Pawtucket, R. I	77,149	180	92.55	2.15	2.3	70.87	76.6	14.36	15.5	3.85	4.2	1.32	1.4	----	----
Everett, Mass	48,424	182	91.53	2.17	2.4	74.83	81.8	9.99	10.9	3.69	4.0	.85	.9	----	----
Lincoln, Nebr	75,933	175	91.25	5.02	5.5	65.52	71.8	13.29	14.6	4.56	5.0	2.41	2.6	.45	.5
Rome, N. Y	32,338	187	91.17	2.39	2.6	70.56	77.4	7.16	7.9	4.85	5.3	1.79	2.0	4.42	4.8
Muncie, Ind	46,548	180	90.87	3.97	4.4	68.80	75.7	10.33	11.4	3.28	3.6	1.45	1.6	3.04	3.3
Sheboygan, Wis	39,251	185	90.32	2.95	3.3	72.01	79.7	9.59	10.6	4.56	5.0	.98	1.1	.25	.3
Rockford, Ill	85,864	187	89.54	2.91	3.3	68.62	76.6	13.09	14.6	2.90	3.3	1.82	2.0	.20	.2
St. Joseph, Mo	80,935	177	89.04	3.09	3.5	66.52	74.7	11.41	12.8	5.59	6.3	2.01	2.2	.42	.5
Springfield, Ohio	68,743	194	87.94	1.92	2.2	63.88	72.6	9.26	10.5	7.90	9.0	1.66	1.9	3.32	3.8
Rock Island, Ill	37,953	185	87.72	2.44	2.8	68.33	77.9	10.24	11.6	3.24	3.7	1.03	1.2	2.44	2.8
Quincy, Ill	39,241	185	86.10	3.07	3.6	68.01	79.0	9.83	11.4	4.18	4.8	----	----	1.01	1.2
Manchester, N. H	76,834	184	85.75	2.66	3.1	69.43	81.0	8.28	9.6	.33	.4	3.62	4.2	1.43	1.7
Lewiston, Me	34,948	174	85.41	1.99	2.3	64.92	76.0	7.50	8.8	8.45	9.9	2.29	2.7	.26	.3
Elkhart, Ind	32,949	180	82.33	2.83	3.4	60.31	73.3	8.88	10.8	2.02	2.4	.40	.5	7.89	9.6
Decatur, Ill	57,510	179	81.57	2.74	3.4	58.84	72.1	10.57	13.0	1.07	1.3	5.62	6.9	2.73	3.3
La Crosse, Wis	39,614	180	80.65	2.40	3.0	63.32	78.5	13.26	16.4	1.20	1.5	.47	.6	----	----
Lorain, Ohio	44,512	186	75.99	2.50	3.3	57.17	75.2	8.27	10.9	3.86	5.1	1.72	2.3	2.47	3.2
Ogden, Utah	40,272	174	71.96	1.99	2.8	60.23	83.7	5.89	8.2	3.14	4.3	.30	.4	.41	.6
Danville, Ill	36,765	181	67.90	2.30	3.4	52.51	77.3	9.59	14.1	1.88	2.8	.52	.8	1.10	1.6
Kokomo, Ind	32,843	180	67.56	2.07	3.1	52.45	77.6	7.73	11.4	2.31	3.4	2.55	3.8	.45	.7
Winston-Salem, N. C	75,274	182	65.40	1.66	2.5	52.02	79.5	6.38	9.8	.95	1.5	3.79	5.8	.60	.9
Galveston, Tex	52,938	178	64.27	2.77	4.3	53.44	83.2	4.90	7.6	1.19	1.9	.61	.9	1.36	2.1

Springfield, Mo	57,527	177	63.04	1.84	2.9	47.97	76.1	6.84	10.9	2.79	4.4	.78	1.2	2.82	4.5
Waco, Tex	52,848	176	62.03	1.90	3.1	50.28	81.0	5.12	8.2	3.03	4.9	.84	1.4	.86	1.4
Charlotte, N. C	82,675	180	59.02	1.83	3.1	48.66	82.4	5.18	8.8	1.17	2.0	1.50	2.5	.68	1.2
High Point, N. C	36,745	182	57.27	2.25	3.9	46.94	82.0	4.49	7.8	2.22	3.9	1.05	1.8	.32	.6
Portsmouth, Va	45,704	183	54.19	1.65	3.0	46.43	85.7	3.66	6.8	1.19	2.2	.80	1.5	.46	.8
Savannah, Ga	85,024	172	52.09	1.64	3.2	41.88	80.4	3.45	6.6	1.79	3.4	2.42	4.6	.91	1.8
Montgomery, Ala	66,079	173	42.70	1.38	3.2	35.60	83.4	3.02	7.1	.67	1.6	1.24	2.9	.79	1.8
Group II average			104.93	3.57	3.4	80.74	76.9	11.10	10.6	4.21	4.0	3.34	3.2	1.97	1.9

GROUP III.—105 CITIES OF 10,000 TO 29,999 POPULATION

Hibbing, Minn	15,666	190	$228.47	$11.80	5.2	$131.49	57.5	$34.46	15.1	$18.60	8.1	$30.28	13.3	$1.84	0.8
Englewood, N. J	17,805	185	158.55	7.20	4.6	108.83	68.6	22.25	14.0	13.47	8.5	5.38	3.4	1.42	.9
Hackensack, N. J	24,568	185	154.03	5.33	3.4	116.41	75.6	17.26	11.2	9.54	6.2	3.80	2.5	1.69	1.1
West Orange, N. J	24,327	186	143.21	4.92	3.4	106.48	74.4	16.20	11.3	7.81	5.5	6.89	4.8	.91	.6
Hempstead, N. Y	12,650	188	142.13	5.65	4.0	106.26	74.8	17.44	12.3	3.73	2.6	3.00	2.1	6.05	4.2
Bellevue, Pa	10,252	190	140.41	5.83	4.2	106.42	75.8	14.87	10.6	8.44	6.0	1.19	.8	3.66	2.6
Long Branch, N. J	18,399	190	137.24	4.22	3.1	102.06	74.4	14.86	10.8	8.37	6.1	3.78	2.7	3.95	2.9
Oneonta, N. Y	12,536	180	134.03	4.64	3.5	85.56	63.8	16.26	12.1	14.87	11.1	7.27	5.4	5.43	4.1
Boulder, Colo	11,223	179	124.73	3.63	2.9	97.13	77.9	19.55	15.7	2.69	2.2	1.05	.8	.68	.5
Casper, Wyo	16,619	186	118.51	3.30	2.8	91.25	77.0	12.89	10.9	.74	.6	9.45	8.0	.88	.7
Hornell, N. Y	16,250	108	117.00	4.75	4.0	84.24	72.0	13.57	11.6	7.03	6.0	2.29	2.0	5.12	4.4
Concord, N. H	25,228	181	111.22	2.95	2.7	78.08	70.2	13.47	12.1	4.97	4.5	8.17	7.3	3.58	3.2
Champaign, Ill	20,348	180	107.55	4.17	3.9	68.40	63.6	15.43	14.4	10.04	9.3	2.63	2.4	6.88	6.4
Elyria, Ohio	25,633	186	106.59	4.22	3.9	72.26	67.8	14.96	14.0	5.61	5.3	6.78	6.4	2.76	2.6
Eureka, Calif	15,752	188	106.44	3.59	3.4	85.30	80.2	11.11	10.4	1.05	1.0	4.08	3.8	1.31	1.2
Braddock, Pa	19,329	180	104.78	7.70	7.3	80.30	76.6	9.64	9.2	3.62	3.5	1.14	1.1	2.38	2.3
Chillicothe, Ohio	18,340	179	104.77	3.52	3.4	79.62	76.0	12.09	11.5	2.81	2.7	1.99	1.9	4.74	4.5
Appleton, Wis	25,267	174	103.83	5.03	4.8	75.40	72.6	14.45	13.9	3.91	3.8	3.22	3.1	1.82	1.8
Dover, N. J	10,031	187	103.50	5.35	5.2	76.95	74.3	11.58	11.2	6.04	5.8	3.01	2.9	.57	.6
Mankato, Minn	14,038	180	103.19	4.98	4.8	72.57	70.3	17.75	17.2	3.97	3.9	3.37	3.3	.55	.5
Cudahy, Wis	10,631	189	102.67	5.48	5.3	68.46	66.7	18.93	18.4	5.54	5.4	3.39	3.3	.87	.9
Gloucester, Mass	24,204	180	102.56	3.20	3.1	74.21	72.3	11.49	11.2	8.37	8.2	5.29	5.2		
Medford, Oreg	11,007	182	101.94	4.22	4.2	82.20	80.6	9.88	9.7	3.39	3.3	1.14	1.1	1.11	1.1
Parkersburg, W. Va	29,623	179	101.84	3.01	2.9	75.18	73.8	9.16	9.0	5.66	5.6	7.11	7.0	1.72	1.7
Findlay, Ohio	19,363	177	98.26	2.45	2.5	74.46	75.8	13.69	13.9	3.99	4.1	.83	.8	2.84	2.9
Fond du Lac, Wis	26,449	180	97.87	2.34	2.4	74.85	76.5	12.25	12.5	2.10	2.1	2.64	2.7	3.69	3.8
Beatrice, Nebr	10,297	174	96.85	4.23	4.4	74.57	77.0	10.37	10.7	2.35	2.4	3.62	3.7	1.71	1.8
Cheyenne, Wyo	17,361	182	96.30	3.41	3.5	70.13	72.8	14.14	14.7	1.14	1.2	5.51	5.7	1.97	2.1
Burlington, Vt	24,789	178	95.72	2.80	2.9	69.47	72.6	8.89	9.3	7.21	7.5	5.95	6.2	1.40	1.5
North Adams, Mass	21,621	178	95.66	3.14	3.3	75.49	78.9	10.29	10.8	2.70	2.8	2.37	2.5	1.67	1.7
Boise, Idaho	21,544	179	95.61	5.62	5.9	72.76	76.1	10.74	11.2	3.60	3.8	1.88	2.0	1.01	1.0
Goshen, Ind	10,397	173	95.54	3.99	4.2	65.66	68.7	16.32	17.1	4.56	4.8	1.71	1.8	3.30	3.4
Santa Fe, N. Mex	11,176	180	94.57	5.52	5.8	65.85	69.6	11.77	12.5	5.77	6.1	4.61	4.9	1.05	1.1
Clinton, Iowa	25,726	180	93.98	4.03	4.3	67.70	72.0	14.61	15.5	4.41	4.7	1.39	1.5	1.84	2.0
Aberdeen, S. Dak	16,465	182	93.40	3.29	3.5	70.07	75.0	11.92	12.8	4.40	4.7	1.56	1.7	2.16	2.3
Ashland, Ohio	11,141	185	92.82	5.55	6.0	65.65	70.7	12.86	13.9	1.88	2.0	4.21	4.5	2.67	2.9
Braintree, Mass	15,712	182	90.78	2.36	2.6	68.78	75.8	9.72	10.7	4.53	5.0	5.39	5.9		

Current expenses per student in average daily attendance in full-time day schools in 285 city school systems, 1929–30—Continued

GROUP III.—105 CITIES OF 10,000 TO 29,999 POPULATION—Continued

City	Population (Federal census 1930)	Length of school year (days)	Total current expenses	General control		Instruction		Operation of plant		Maintenance of plant		Coordinate activities and auxiliary agencies		Fixed charges	
				Cost	Per cent of total	Cost	Per cent of total	Cost	Per cent of total	Cost	Per cent of total	Cost	Per cent of total	Cost	Per cent of total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Logansport, Ind	18,508	177	90.56	4.08	4.5	70.28	77.6	10.12	11.2	2.56	2.8	1.77	2.0	1.75	1.9
Austin, Minn	12,276	180	89.43	4.09	4.6	64.24	71.8	13.31	14.9	3.09	3.5	3.58	4.0	1.12	1.2
Watervliet, N. Y	16,083	184	88.64	4.09	4.6	64.54	72.8	8.60	9.7	4.72	5.3	2.93	3.3	3.76	4.3
Connersville, Ind	12,795	175	87.79	3.64	4.1	60.53	69.0	12.78	14.6	4.40	5.0	2.41	2.7	4.03	4.6
Ironwood, Mich	14,299	191	87.02	5.91	6.8	60.47	69.5	15.93	18.3	2.13	2.4	1.73	2.0	.85	1.0
Emporia, Kans	14,067	175	86.75	3.51	4.0	67.95	78.3	11.34	13.1	2.40	2.8	.96	1.1	.59	.7
Mason City, Iowa	23,304	174	86.38	3.16	3.7	62.09	71.9	12.82	14.8	6.63	7.7	1.68	1.9	----	----
Escanaba, Mich	14,524	191	86.38	4.29	5.0	59.02	68.3	9.10	10.5	9.42	10.9	1.49	1.7	3.06	3.6
Coraopolis, Pa	10,724	190	86.36	6.16	7.1	61.77	71.5	9.73	11.3	3.96	4.6	2.16	2.5	2.58	3.0
Fairmont, W. Va	23,159	180	86.05	3.32	3.9	60.62	70.4	13.88	16.1	3.41	4.0	3.06	3.6	1.76	2.0
Fort Dodge, Iowa	21,895	183	85.91	2.24	2.6	65.25	76.0	13.90	16.2	3.01	3.5	.35	.4	1.16	1.3
Grand Forks, N. Dak	17,112	180	85.48	6.19	7.2	63.89	74.7	12.24	14.3	1.35	1.6	.91	1.1	.90	1.1
Leavenworth, Kans	17,466	177	85.25	5.64	6.6	61.21	71.8	11.85	13.9	2.10	2.5	.41	.5	4.04	4.7
Burlington, Iowa	26,755	179	84.92	2.58	3.0	65.69	77.4	10.26	12.1	3.49	4.1	2.06	2.4	.84	1.0
Freeport, Ill	22,045	184	84.55	2.23	2.6	63.73	75.4	13.26	15.7	5.30	6.3	.03	.0	----	----
Coatesville, Pa	14,582	190	84.51	4.35	5.2	66.79	79.0	6.31	7.5	2.38	2.8	2.44	2.9	2.24	2.6
Fremont, Nebr	11,407	178	84.20	3.17	3.8	63.65	75.6	9.29	11.0	3.77	4.5	1.08	1.3	3.24	3.8
Central Falls, R. I	25,898	181	83.52	2.61	3.1	63.63	76.2	12.29	14.7	2.80	3.4	2.19	2.6	----	----
Marinette, Wis	13,734	185	83.30	2.26	2.7	64.29	77.2	11.07	13.3	1.03	1.2	1.42	1.7	3.23	3.9
Beloit, Wis	23,611	183	83.01	2.34	2.8	63.54	76.6	10.82	13.0	3.38	4.1	1.90	2.3	1.03	1.2
Bismarck, N. Dak	11,090	180	82.78	4.37	5.3	61.20	73.9	10.37	12.5	2.29	2.8	.30	.4	4.25	5.1
Reno, Nev	18,529	176	82.72	2.79	3.4	66.86	80.8	9.59	11.6	2.67	3.2	----	----	.81	1.0
Grand Island, Nebr	18,041	180	82.02	2.92	3.6	61.69	75.2	11.01	13.4	3.38	4.1	2.34	2.9	.68	.8
Ashtabula, Ohio	23,301	177	81.72	2.66	3.2	59.22	72.5	13.04	16.0	3.36	4.1	1.49	1.8	1.95	2.4
Grand Junction, Colo	10,247	185	81.29	3.94	4.9	67.81	83.4	6.08	7.5	1.07	1.3	----	----	2.39	2.9
Rutland, Vt	17,315	183	80.98	3.71	4.6	59.74	73.8	11.48	14.2	1.25	1.5	2.90	3.6	1.90	2.3
Salina, Kans	20,155	175	80.48	2.65	3.3	62.81	78.0	9.62	11.9	2.70	3.4	1.75	2.2	.95	1.2
Great Falls, Mont	28,822	182	80.40	2.99	3.7	65.14	81.0	9.09	11.3	1.21	1.5	1.82	2.3	.15	.2
Yakima, Wash	22,101	180	79.67	2.46	3.1	65.10	81.7	8.70	10.9	1.28	1.6	1.11	1.4	1.02	1.3
Owosso, Mich	14,496	191	79.50	4.75	6.0	57.30	72.1	12.05	15.1	2.45	3.1	1.61	2.0	1.34	1.7
Mahanoy City, Pa	14,784	190	78.83	4.07	5.2	61.03	77.4	7.39	9.4	1.83	2.3	3.35	4.2	1.16	1.5
Newport, R. I	27,612	183	78.37	1.83	2.3	58.27	74.4	13.27	16.9	4.40	5.6	.60	.8	----	----
Iron Mountain, Mich	11,652	190	77.46	3.65	4.7	55.23	71.3	12.22	15.8	2.54	3.3	3.07	3.9	.75	1.0

Alliance, Ohio	23,047	177	76.72	2.34	3.1	57.00	74.3	10.15	13.2	2.03	2.6	1.66	2.2	3.54	4.6
Coffeyville, Kans	16,198	175	76.67	3.21	4.2	58.56	76.4	8.34	10.9	3.46	4.5	.83	1.1	2.27	2.9
Hastings, Nebr	15,490	180	76.30	2.41	3.1	61.45	80.5	9.08	11.9	1.49	2.0	.89	1.2	.98	1.3
Stratford, Conn	19,212	189	75.44	2.12	2.8	61.17	81.1	5.85	7.8	2.68	3.5	2.81	3.7	.81	1.1
Eugene, Oreg	18,901	171	73.85	3.10	4.2	59.74	80.9	7.61	10.3	2.03	2.7	.74	1.0	.63	.9
Nanticoke, Pa	26,043	190	73.70	4.00	5.4	55.23	74.9	8.58	11.6	3.80	5.2	1.68	2.3	.41	.6
New Kensington, Pa	16,762	180	73.63	5.58	7.6	57.52	78.1	5.62	7.6	1.35	1.8	2.57	3.5	.99	1.4
Arkansas City, Kans	13,946	174	73.56	5.85	7.9	60.41	82.1	5.56	7.6	1.33	1.8	.41	.6	----	----
Harvey, Ill	16,374	186	73.14	7.66	10.5	47.47	64.9	11.41	15.6	5.18	7.1	1.42	1.9	----	----
Fostoria, Ohio	12,790	178	70.53	3.11	4.4	56.07	79.5	6.74	9.6	2.89	4.1	1.72	2.4	----	----
Cape Girardeau, Mo	16,227	189	70.37	2.81	4.0	53.32	75.8	6.50	9.2	5.52	7.8	2.10	3.0	.12	.2
Galesburg, Ill	28,830	187	68.80	2.05	3.0	51.13	74.3	8.79	12.8	4.75	6.9	.54	.8	1.54	2.2
Sedalia, Mo	20,806	179	67.71	2.46	3.6	52.89	78.1	9.06	13.4	1.32	2.0	.80	1.2	1.18	1.7
Cambridge, Ohio	14,613	175	67.15	1.93	2.9	49.49	73.7	7.70	11.5	2.38	3.5	3.52	5.2	2.13	3.2
Dodge City, Kans	10,059	172	65.71	3.29	5.0	48.64	74.0	9.03	13.8	1.87	2.8	.69	1.1	2.19	3.3
Barberton, Ohio	23,934	185	65.57	2.24	3.4	49.37	75.3	8.35	12.7	2.50	3.8	3.11	4.8	----	----
New Albany, Ind	25,819	178	65.05	2.11	3.2	44.52	68.4	9.58	14.7	1.99	3.1	.57	.9	6.28	9.7
Moberly, Mo	13,772	180	64.50	2.99	4.6	49.97	77.5	7.52	11.7	1.15	1.8	----	----	2.87	4.4
Provo, Utah	14,766	173	62.05	3.86	6.2	47.34	76.3	5.56	9.0	4.34	7.0	.68	1.1	.27	.4
Kinston, N. C	11,362	180	59.53	2.78	4.7	44.04	74.0	5.08	8.5	.75	1.2	5.89	9.9	.99	1.7
Arnold, Pa	11,375	180	56.95	5.56	9.8	39.82	69.9	5.68	10.0	1.54	2.7	3.16	5.5	1.19	2.1
Texarkana, Tex	16,602	175	56.18	3.74	6.7	44.89	79.9	3.57	6.4	1.42	2.5	.19	.3	2.37	4.2
Owensboro, Ky	22,765	187	56.09	2.90	5.2	42.99	76.6	5.80	10.3	2.83	5.1	1.18	2.1	.39	.7
Concord, N. C	11,820	180	54.67	2.37	4.3	46.73	85.5	3.03	5.5	1.84	3.4	.05	.1	.65	1.2
Lake Charles, La	15,791	179	53.99	2.36	4.4	41.92	77.6	4.31	8.0	4.32	8.0	1.08	2.0	----	----
Tyler, Tex	17,113	175	53.54	2.16	4.0	43.39	81.0	4.20	7.9	2.62	4.9	----	----	1.17	2.2
Charlottesville, Va	15,245	180	53.25	2.03	3.8	41.75	78.4	3.19	6.0	3.88	7.3	1.26	2.4	1.14	2.1
Petersburg, Va	28,564	180	53.08	2.25	4.2	43.49	81.9	4.69	8.8	1.72	3.3	.88	1.7	.05	.1
Bowling Green, Ky	12,348	180	52.71	3.10	5.9	40.39	76.6	5.81	11.0	1.74	3.3	.44	.9	1.23	2.3
Selma, Ala	18,012	176	50.19	2.27	4.5	38.81	77.3	3.88	7.8	3.97	7.9	.61	1.2	.65	1.3
Pine Bluff, Ark	20,760	176	49.91	1.64	3.3	38.87	77.9	5.53	11.0	1.25	2.5	.88	1.8	1.74	3.5
Alexandria, Va	24,149	187	44.43	1.81	4.1	36.87	83.0	4.46	10.0	----	----	.62	1.4	.67	1.5
New Bern, N. C	11,981	180	43.64	2.54	5.8	35.41	81.2	2.93	6.7	1.85	4.2	.24	.6	.67	1.5
Rocky Mount, N. C	21,412	180	40.88	1.86	4.6	33.93	83.0	3.50	8.6	1.04	2.5	----	----	.55	1.3
Rome, Ga	21,843	180	29.77	1.42	4.8	24.44	82.1	2.33	7.8	.84	2.8	----	----	.74	2.5
Group III average	----	----	87.19	3.61	4.1	64.78	74.3	10.63	12.2	3.78	4.3	2.76	3.2	1.63	1.9

GROUP IV.—63 CITIES OF 2,300 TO 9,999 POPULATION

Chisholm, Minn	8,308	180	$221.29	$12.50	5.6	$97.42	44.0	$64.69	29.2	$5.21	2.4	$18.34	8.3	$23.13	10.5
Piedmont, Calif	9,333	188	166.39	6.84	4.1	123.82	74.4	14.99	9.0	10.13	6.1	1.69	1.0	8.92	5.4
Bogota, N. J	7,341	182	134.41	7.63	5.7	91.01	67.7	17.02	12.7	13.82	10.3	.07	.0	4.86	3.6
Hastings upon Hudson, N. Y	7,097	185	132.72	7.03	5.3	97.12	73.2	10.96	8.2	5.95	4.5	5.29	4.0	6.37	4.8
Bedford, Ohio	6,814	186	126.26	6.65	5.3	81.98	64.9	15.14	12.0	6.74	5.3	10.16	8.1	5.59	4.4
Sheridan, Wyo	8,536	176	119.74	5.02	4.2	89.90	75.1	11.14	9.3	.94	.8	10.18	8.5	2.56	2.1
Canandaigua, N. Y	7,541	184	113.66	6.79	6.0	78.65	69.2	11.31	9.9	5.04	4.4	6.10	5.4	5.77	5.1
Fort Morgan, Colo	4,423	175	112.96	4.54	4.0	87.55	77.5	10.69	9.5	1.24	1.1	8.45	7.5	.49	.4
Franklin, N. J	4,176	178	112.48	7.38	6.6	84.54	75.1	9.14	8.1	1.43	1.3	8.52	7.6	1.47	1.3

Current expenses per student in average daily attendance in full-time day schools in 285 city school systems, 1929–30—Continued

GROUP IV.—63 CITIES OF 2,300 TO 9,999 POPULATION—Continued

City	Population (Federal census 1930)	Length of school year (days)	Total current expenses	General control		Instruction		Operation of plant		Maintenance of plant		Coordinate activities and auxiliary agencies		Fixed charges	
				Cost	Per cent of total	Cost	Per cent of total	Cost	Per cent of total	Cost	Per cent of total	Cost	Per cent of total	Cost	Per cent of total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Mechanicville, N. Y	7,924	186	109.33	5.71	5.2	80.73	73.9	10.39	9.5	4.59	4.2	3.11	2.8	4.80	4.4
Chico, Calif	7,961	186	108.00	5.28	4.9	84.10	77.9	11.55	10.7	1.19	1.1	4.01	3.7	1.87	1.7
Gorham, N. H	2,763	178	106.19	10.75	10.1	58.88	55.4	11.77	11.1	1.05	1.0	7.52	7.1	16.22	15.3
Howell, Mich	3,615	185	105.10	8.87	8.4	71.61	68.1	10.78	10.3	12.36	11.8	.09	.1	1.39	1.3
Amherst, Mass	5,888	181	102.16	5.73	5.6	70.96	69.5	10.32	10.1	4.95	4.8	10.20	10.0	----------	----------
Freehold, N. J	6,894	187	99.42	8.06	8.1	72.04	72.5	13.18	13.3	3.72	3.7	2.42	2.4	----------	----------
Valley City, N. Dak	5,268	175	99.17	9.89	10.0	62.02	62.5	17.98	18.1	3.83	3.9	.72	.7	4.73	4.8
Chehalis, Wash	4,907	182	95.37	5.18	5.4	73.98	77.6	10.27	10.8	3.23	3.4	1.80	1.9	.91	.9
Montpelier, Vt	7,837	174	95.27	5.55	5.8	69.09	72.5	11.11	11.7	4.48	4.7	4.29	4.5	.75	.8
Somersworth, N. H	5,680	174	94.89	6.04	6.4	64.07	67.5	12.29	12.9	1.23	1.3	10.73	11.3	.53	.6
Brattleboro, Vt	8,709	180	92.87	3.56	3.8	66.45	71.6	12.90	13.9	2.07	2.2	5.28	5.7	2.61	2.8
Bisbee, Ariz	8,023	176	90.36	3.51	3.9	65.07	72.0	9.31	10.3	5.07	5.6	4.24	4.7	3.16	3.5
Wethersfield, Conn	7,512	182	89.90	4.85	5.4	65.19	72.5	12.86	14.3	4.69	5.2	2.31	2.6	----------	----------
Gallup, N. Mex	5,992	180	89.44	6.42	7.2	66.53	74.4	11.01	12.3	3.69	4.1	.44	.5	1.35	1.5
Park City, Utah	4,281	185	89.43	9.75	10.9	62.35	69.7	10.12	11.3	3.67	4.1	2.57	2.9	.97	1.1
St. Joseph, Mich	8,349	187	89.28	4.98	5.6	65.93	73.8	9.03	10.1	5.01	5.6	3.00	3.4	1.33	1.5
Kearney, Nebr	8,575	182	88.67	3.98	4.5	68.55	77.3	12.67	14.3	1.59	1.8	.92	1.0	.96	1.1
Kirkwood, Mo	9,169	187	88.06	5.14	5.8	63.70	72.4	10.75	12.2	7.16	8.1	1.31	1.5	----------	----------
Greenville, Mich	4,730	197	86.78	3.46	4.0	62.84	72.4	13.03	15.0	4.57	5.3	2.30	2.6	.58	.7
Antigo, Wis	8,610	178	86.48	3.63	4.2	64.82	75.0	11.79	13.6	3.90	4.5	1.96	2.3	.38	.4
Augusta, Kans	4,033	176	86.29	5.29	6.1	63.75	73.9	10.83	12.6	3.76	4.3	1.97	2.3	.69	.8
Blackfoot, Idaho	3,199	174	84.99	5.52	6.5	57.33	67.5	8.55	10.0	1.12	1.3	10.10	11.9	2.37	2.8
Columbus, Nebr	6,898	180	84.87	4.75	5.6	59.23	69.8	13.24	15.6	2.94	3.5	.25	.3	4.46	5.2
Bozeman, Mont	6,855	180	84.33	5.48	6.5	61.70	73.2	12.76	15.1	1.21	1.4	1.84	2.2	1.34	1.6
Bend, Oreg	8,848	173	84.06	4.47	5.3	60.04	71.4	10.43	12.4	1.86	2.2	4.17	5.0	3.09	3.7
Centralia, Wash	8,058	183	82.61	3.73	4.5	60.21	72.9	8.93	10.8	6.66	8.1	3.08	3.7	----------	----------
La Grande, Oreg	8,050	173	81.82	4.47	5.5	59.87	73.2	9.27	11.3	5.71	7.0	.80	1.0	1.70	2.0
Lewiston, Idaho	9,403	180	81.63	4.52	5.5	57.08	69.9	9.46	11.6	4.99	6.1	4.10	5.1	1.48	1.8
Albion, Mich	8,324	180	81.25	3.63	4.5	59.26	72.9	11.34	14.0	2.95	3.6	3.08	3.8	.99	1.2
Douglas, Ariz	9,828	172	80.54	2.62	3.3	64.81	80.5	5.07	6.3	5.68	7.0	1.21	1.5	1.15	1.4
Plainville, Conn	6,301	182	79.93	5.01	6.3	56.28	70.4	11.06	13.8	3.65	4.6	2.15	2.7	1.78	2.2
Brunswick, Me	6,144	173	79.73	2.78	3.5	60.32	75.6	7.79	9.8	4.36	5.5	3.51	4.4	.97	1.2
Albany, Oreg	5,325	180	78.81	3.45	4.4	58.75	74.5	6.27	8.0	4.52	5.7	5.48	7.0	.34	.4

Bridgewater, Mass	9,055	179	78.31	3.13	4.0	57.58	73.5	6.47	8.2	1.55	2.0	7.19	9.2	2.39	3.1
Belvidere, Ill	8,123	188	76.25	2.33	3.1	57.80	75.8	11.74	15.4	3.31	4.3	1.07	1.4		
Cherryvale, Kans	4,251	180	75.58	5.84	7.7	58.39	77.3	8.27	10.9	1.60	2.1	.50	.7	.98	1.3
Grafton, W. Va	7,737	175	74.90	4.31	5.8	56.36	75.2	6.34	8.5	4.66	6.2	2.04	2.7	1.19	1.6
McPherson, Kans	6,147	176	72.21	4.04	5.6	58.04	80.4	6.97	9.6	1.06	1.5	2.05	2.8	.05	.1
Ipswich, Mass	5,599	180	71.57	3.72	5.2	54.59	76.3	5.48	7.6	.48	.7	7.30	10.2		
Dixon, Ill	9,908	178	69.87	5.03	7.2	53.43	76.5	6.27	9.0	2.18	3.1	.87	1.2	2.09	3.0
Burrillville, R. I	7,677	182	69.36	3.22	4.6	47.60	68.6	9.90	14.3	2.78	4.0	5.86	8.5		
Marshall, Mo	8,103	176	69.26	3.60	5.2	54.07	78.1	8.58	12.3	1.59	2.3	.05	.1	1.37	2.0
Puyallup, Wash	7,094	184	68.25	4.37	6.4	52.40	76.8	8.47	12.4	1.73	2.5	1.17	1.7	.11	.2
Fort Fairfield, Me	5,393	174	67.04	1.65	2.5	49.84	74.3	3.69	5.5	5.05	7.5	6.81	10.2		
Delaware, Ohio	8,675	181	65.48	3.67	5.6	45.77	69.9	8.54	13.0	2.02	3.1	3.31	5.1	2.17	3.3
Murray, Utah	5,173	172	64.86	4.47	6.9	49.61	76.5	6.69	10.3	3.13	4.8	.45	.7	.51	.8
Maynard, Mass	7,156	182	64.42	3.09	4.8	49.50	76.8	7.08	11.0	1.64	2.6	2.84	4.4	.27	.4
Harrisonburg, Va	7,232	180	64.01	2.98	4.7	51.52	80.5	6.37	10.0	1.50	2.3	.47	.7	1.17	1.8
Burlington, N. C	9,737	178	61.39	6.46	10.5	45.62	74.3	5.38	8.8	1.80	2.9	1.49	2.4	.64	1.1
Orange, Tex	7,913	173	55.02	4.37	7.9	45.19	82.2	4.11	7.5	.31	.5	.51	.9	.53	1.0
Bristow, Okla	6,619	175	54.90	3.56	6.5	42.26	77.0	4.61	8.4	1.03	1.9	1.14	2.0	2.30	4.2
Dublin, Ga	6,681	180	51.25	5.34	10.4	41.50	81.0	3.57	7.0	.48	.9	.16	.3	.20	.4
Nevada, Mo	7,448	180	50.47	3.37	6.7	37.00	73.3	6.53	13.0	1.13	2.2	.81	1.6	1.63	3.2
Anadarko, Okla	5,036	176	47.24	2.94	6.2	33.77	71.5	4.52	9.6	2.17	4.6	3.24	6.8	.60	1.3
Group IV average			91.07	4.99	5.5	64.87	71.2	11.27	12.4	3.64	4.0	3.78	4.1	2.52	2.8
Average of Groups I, II, III, and IV combined			108.87	3.97	3.7	83.16	76.4	11.37	10.4	5.16	4.7	3.29	3.0	1.92	1.8

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